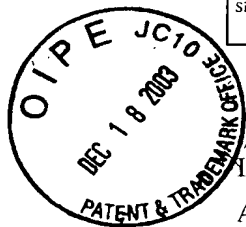


I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on December 16, 2003.

Naishadh N. Desai	50,630
Name of Attorney/Agent	Registration No.
Signature of Attorney or Agent	



P&G Case 9045M2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of :  
Artem Gennady Evdokimov et al. : Confirmation No. 5050  
Serial No. 10/634,027 : Group Art Unit  
Filed August 4, 2003 : Examiner

For Three Dimensional coordinates of HPTPbeta

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, record is being made on the attached Form PTO/SB08 of documents which the Patent Office may wish to consider in connection with examination of the above-identified patent application. It is respectfully requested that the cited documents be carefully considered by the Examiner and made of record in this case. As provided in §1.97(g), no representation is made or intended that a thorough art search was made. As provided in 37 C.F.R. §1.97(h), this Information Disclosure Statement does not constitute an admission of any kind, and specifically is not an admission that the documents listed on attached form PTO/SB08 are, or are considered to be, material to the patentability of the above-identified patent application, as defined in 37 C.F.R. §1.56(b).

1. ☐ **37 C.F.R. §1.97(b)(1) - U.S. Direct (use when filing IDS with nonprovisional patent application, or with Request for Continued Examination (RCE); or within 3 months of filing a nonprovisional patent application)**

This information disclosure statement, submitted under 37 C.F.R. §1.97(b)(1), is being filed with the patent application, with a Request for Continued Examination or within three months of the filing date of a national application. Therefore, no fee is believed to be due.

2. ☒ **37 C.F.R. §1.97(b)(3) - (use when filing IDS more than 3 months after filing a nonprovisional patent application, but prior to receipt of first Office Action)**

This information disclosure statement is being submitted under 37 C.F.R. §1.97(b)(3). Applicants have not received an Office Action on the merits in the present application. Therefore, no fee is believed to be due. However, in the event that this paper is crossing in the mail with a first Office Action on the merits, authorization is hereby given to charge the required fee pursuant to 37 C.F.R. §1.97(c) and 37 C.F.R. §1.17(p) to Deposit Account No. 16-2480 in the name of The Procter & Gamble Company. A duplicate of this letter (or a fee transmittal form) is enclosed to facilitate charging of the fee, if necessary.

3. ☐ **37 C.F.R. §1.97(b)(4) - (use when filing IDS prior to receipt of first Office Action after the filing of a Request for Continued Examination (RCE) under §1.114)**

This information disclosure statement is being submitted under 37 C.F.R. §1.97(b)(4). Applicants have not received a first Office Action after filing a Request For Continued Examination (RCE). Therefore, no fee is believed to be due. However, in the event that this paper is crossing in the mail with a first Office Action on the merits, authorization is hereby given to charge the required fee pursuant to 37 C.F.R. §1.97(c) and 37 C.F.R. §1.17(p) to Deposit Account No. 16-2480 in the name of The Procter & Gamble Company. A duplicate of this letter (or a fee transmittal form) is enclosed to facilitate charging of the fee, if necessary.

4. ☐ **37 C.F.R. §1.97(c) with fee payment - (use when filing IDS after receipt of first Office Action, and before receipt of Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution)**

This information disclosure statement is being submitted under 37 C.F.R. §1.97(c). Applicant(s) have not received a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (e.g., *Ex parte Quayle*) as of the date of this submission. Applicant(s) elect to pay the fee set forth in 37 C.F.R. §1.17(p). Please charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account Number 16-2480 in the name of The Procter & Gamble Company. A duplicate copy of this letter (or a fee transmittal form) is enclosed to facilitate the charging of the fee.

5. ☐ **Information to be Considered with Continued Prosecution Application (CPA) Filing (use when filing IDS with a Continued Prosecution Application (CPA) for Design Case).** This information disclosure statement is being filed with a Continued Prosecution Application (CPA) filed under 37 C.F.R. 1.53(d).

**ADDITIONAL ITEMS TO BE NOTED BY THE EXAMINER:**

☐ (1) (For use with applications filed prior to or on June 30, 2003.) Copies of the cited documents are enclosed.

OR

☒ (2) (For use with applications filed after June 30, 2003.) In accordance with 37 C.F.R. §1.98(a)(2), Applicants are submitting copies of foreign patent documents and non-patent literature.

OR

☐ (3) All of the cited references were previously cited by or submitted to the USPTO in prior application Case No. \_\_\_\_, U.S. Patent Application Serial No. \_\_, filed \_\_. Applicants claim priority to said application under 35 U.S.C. §120. Accordingly, copies of previously submitted references are not provided with this Statement, pursuant to 37 C.F.R. §1.98(d). It is respectfully requested that the cited documents be carefully considered by the Examiner and made of record in this case.

OR

☐ (4) Copies of all said documents, except Cite Numbers \_\_\_\_, were submitted and considered in parent application U.S. Patent Application Serial No. \_\_\_\_, filed \_\_\_\_\_. Applicant(s) claim priority to said application under 35 U.S.C. §120. Accordingly, copies of previously submitted references are not provided with this Statement, pursuant to 37 C.F.R. §1.98(d). Copies of references not previously submitted are enclosed. It is respectfully requested that the cited documents be carefully considered by the Examiner and made of record in this case.


☐ (5) Pursuant to 37 C.F.R. §1.98(c), a concise explanation of the relevance of each cited reference that is not in the English language is provided.

☐ (6) Applicants also respectfully request the Examiner to consider and make of record the co-pending applications listed on the attached page.

☐ Additional information is attached.

Respectfully submitted,

By

  
 Naishadh N. Desai  
 Attorney or Agent for Applicant(s)  
 Registration No. 50,630  
 (513) 622-0087

Date: December 16, 2003

**Customer No. 27752**


(IDS.doc) (Last Revised 10/10/03)

**CO-PENDING U.S. APPLICATIONS**

Entire copies of all co-pending applications (or the portion of the application and claims that caused it to be cited) must be sent with the IDS (see 37 CFR 1.98(a)(2)(iii))

<u>Atty. Docket No.</u>	<u>Serial Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>
9045M	10/633,742	Peters	8/4/03

[Only applications that remain pending at the time of submitting this IDS should be listed here. For applications in which patents have issued, the granted patents should be listed on Form PTO/SB08.]



U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

(use as many sheets as necessary)

SHEET 1 of 2

COMPLETE IF KNOWN

Application Number	10/634,027
Confirmation Number	5050
Filing Date	8/4/2003
First Named Inventor	Artem Gennady Evdokimov
Group Art Unit	
Examiner Name	
Attorney Docket Number	9045M2

## U. S. PATENT DOCUMENTS

[illegible]

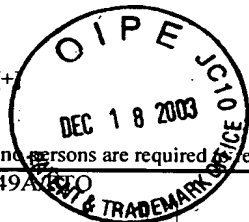
## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENT							
EXAMINER INITIALS*	Cite No. <sup>1</sup>	Country Code <sup>3</sup> Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	1	WO 00/65085 A1		11/02/2000	Werner Risau		
EXAMINER				DATE CONSIDERED			

Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Pat. Ints., P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB08B (08-03)

U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A (08-03)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

SHEET 2 of 2

## COMPLETE IF KNOWN

Application Number	10/633,742
Confirmation Number	1253
Filing Date	8/4/2003
First Named Inventor	Kevin Gene Peters
Group Art Unit	
Examiner Name	
Attorney Docket Number	9045M

## NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	2	WANG, Y. et al., "Expressions and Characterization of Wild Type, Truncated, and Mutant Forms of the Intracellular Region of the Receptor-Like Protein Tyrosine Phosphatase HPTPβ", <u>The J. of biological Chem.</u> , 1992, Vo. 267, No. 23, pp.	
	3	WRIGHT, M.B. et al., "Protein-Tyrosine Phosphatases in the Vessel Wall Differential Expression After Acute Arterial Injury", <u>Arterioscler Thromb Vasc.</u> , 2000, pp. 1189-1198.	
	4	FACHINGER, G. et al., "Functional Interaction of Vascular Endothelial-Protein-Tyrosine Phosphatase with the angiopoietin Receptor Tie-2", <u>Oncogene</u> , 1999, Vol. 18, pp. 5948-5953.	
	5	GAITS, F. et al., "Increase In Receptor-like Protein tyrosine Phosphatase Activity and Expression Level on Density-dependent Growth Arrest of Endothelial Cells", <u>Biochem. J.</u> , 1995, Vol 311, pp. 97-103.	
	6	HARDER, K.W. et al., "Characterization and kinetic analysis of the intracellular domain of human protein tyrosine phosphatase β (HPTPβ) using synthetic phosphopeptides", <u>Biochem J.</u> , 1994, Vol. 296, pp. 395-401.	
	7	KRUEGER, N.X. et al., "Structural diversity and evolution of human receptor-like protein tyrosine phosphatases", <u>The EMBRO J.</u> , 1990, Vol 9, No. 10, pp. 3241-3252.	
	8	MARTIN, Y.C., "3D Database Searching in Drug Design", <u>J. of Medicinal Chemistry</u> , 1992, Vol 35, No. 12, pp. 2145-2154.	
	9	CHANTEAU, S.H. et al., "Synthesis of Anthropomorphic Molecules: The NanoPutians", <u>J. Org. Chem.</u> , 2003, Vol. 68, pp. 8750-8766.	
	10	HOPKINS, S.C. et al., "Inhibitors of Kinesin Activity from Structure-Based Computer Screening", <u>Biochemistry</u> , 2000, Vol. 39, pp. 2805-2814.	
	11	RAREY, M. et al., "A Fast Flexible Docking Method using an Incremental Construction Algorithm", <u>J. Mol. Biol.</u> , 1996, Vol. 261, pp. 470-489.	
	12	JONES, G. et al., "Development and Validation of a Genetic Algorithm for Flexible Docking", <u>J. Mol. Biol.</u> , 1997, Vol 267, pp. 727-748.	
	13	STAHL, M. et al., "Detailed Analysis of Scoring Functions for Virtual Screening", <u>J. Med. Chem.</u> , 2001, Vol. 44, pp. 1035-1042.	
	14	SKOICHET, B.K. et al., "Lead discovery using molecular docking", <u>Chem. Biology</u> , 2002, Vol. 6, pp. 439-446.	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO-SB08

(Revised for P&G use 10/8/2003)